

CONTENTS

Spectroscopy

- L. DAGYS, V. KLIMAVIČIUS, J. KAUSTEKLIS, A. CHODOSOVSKAJA, V. ALEKSA, A. KAREI-
VA, and V. BALEVIČIUS. Solid-state ^1H and ^{31}P NMR and FTIR spectroscopy study of static and
dynamic structures in sol-gel derived calcium hydroxyapatites.....1

Semiconductors

- T.V. BEZYAZYCHNAYA, D.M. KABANAU, V.V. KABANOV, Y.V. LEBIADOK, A.G. RYABTSEV,
G.I. RYABTSEV, V.M. ZELENKOVSKII, and S.K. MEHTA. Influence of vacancies on indium atom
distribution in InGaAs and InGaN compounds10

Condensed Matter Physics and Technology

- I. ČERNIUKĖ, B. VENGALIS, A. STEIKŪNIENĖ, G. GRIGALIŪNAITĖ-VONSEVIČIENĖ, and
A.K. OGINSKIS. Electrical and magnetoresistive properties of the $\text{Ag}/\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ point-probe
contacts.....17
- A. NESRULLAJEV. Thermotropic, refracting and thermo-optical properties in three homologs of 4-n-alkyl-
4'-cyanobiphenyls.....24
- T. GRIGAITIS, A. NAUJOKAITIS, S. TUMĖNAS, G. JUŠKA, and K. ARLAUSKAS. Characterization of silicon
nitride layers deposited in three-electrode plasma-enhanced CVD chamber.....35

Environmental Physics

- S. KECORIUS, S. ZHANG, Z. WANG, J. GRÖß, N. MA, Z. WU, L. RAN, M. HU, P. WANG, V. ULEVIČIUS,
and A. WIEDENSOHLER. Nocturnal aerosol particle formation in the North China Plain.....44

Interdisciplinary Physics

- R. DRUTEIKIENĖ, J. ŠAPOLAITĖ, Ž. EŽERINSKIS, E. NAUJALIS, and A. PUZAS. Immobilization of
radioactive waste in cement: Iodine binding by cementitious materials under highly alkaline conditions.....54
- V. GĖGŽNA, P. SLADKEVIČIUS, L. VALENTIN, and A. VAITKUVIENĖ. Methods for autofluorescence analysis
of uterine cavity washings.....63